

**DATE:** July 17, 2003

**SUBJECT:** Nashville State Technical Community College, Technical Certificate in Computer-Aided Drafting

**ACTION RECOMMENDED:** Approval

**BACKGROUND INFORMATION:** The proposed program is designed to provide an introductory program for students interested in engineering technologies but are unsure about pursuing an associate degree. The proposed technical certificate provides an intermediate credential to move more rapidly into the workforce.

**PROPOSED START-UP DATE:** Upon approval

Commission staff reviewed this program proposal according to the academic standards adopted by the Commission on November 14, 2002. Each relevant standard is referenced below.

**1.1.20A MISSION:** The proposed program is consistent with the college mission to serve a diverse geographic service area, providing high-quality education and training opportunities.

**1.1.20B CURRICULUM:** The technical certificate requires 31-36 credit hours. This is a repackaging of courses from various programs and does not require that new courses be developed.

<u>Course Name</u>	<u>Credit Hours</u>
General Education	7 (8)
Major Core Field Concentrations	18
Guided Elective	N/A
	<u>6-10</u>
	31-35(32-36)

**1.1.20C ACADEMIC STANDARDS:** Admission, retention and graduation requirements for the proposed program will be consistent with requirements for other technical certificate programs at NSCC.

**1.1.20D FACULTY:** No additional faculty required.

**1.1.20E LIBRARY RESOURCES:** No additional library resources required.

**1.1.20F ADMINISTRATION/ORGANIZATION:** The CAD certificate is administratively housed in the Engineering Technologies Department, Division of Business and Technologies.

**1.1.20G SUPPORT RESOURCES:** None indicated.

**1.1.20H FACILITIES/EQUIPMENT:** Current instructional facilities and equipment are adequate.

**1.1.20I STUDENT AND EMPLOYER NEED AND DEMAND:** The proposed program will address the need for qualified Computer Aided Drafting (CAD) operators for architectural and engineering firms and government agencies located in the Middle Tennessee Area and the Upper Cumberland region.

**1.1.20J NO UNNECESSARY DUPLICATION:** The proposed program will be offered within the service area of NSCC.

**1.1.20K COOPERATING INSTITUTIONS:** None indicated.

**1.1.20L DESEGREGATION:** The creation of the proposed program will not impede the state's efforts to achieve racial diversity.

**1.1.20M ASSESSMENT/EVALUATION AND ACCREDITATION:** Evaluation of the proposed program will be accomplished by the following:

- Employer surveys
- Student evaluations
- Placement rates of graduates

The CAD faculty will also be responsible for evaluating the program and the maintenance of the program curriculum.

**1.1.20N GRADUATE PROGRAMS:** N/A

**1.1.20O EXTERNAL JUDGMENT:** N/A

**1.1.20P COST/BENEFIT:** The benefits of offering a technical certificate are to the government agencies and the architectural and engineering firms in Middle Tennessee seeking to employ certified CAD operators. Current personnel and equipment are adequate; therefore no additional operation costs are associated with this certificate program. Estimated enrollment and productivity:

Student Projections	FTE Enrollment	Graduates
Year 1	4	3
Year 2	6	5
Year 3	8	8

**1.1.30 POST APPROVAL MONITORING:** An annual performance review of the proposed program will be conducted for the three years following approval. The review will be based on goals established in the approved program proposal.